

Accident / Incident Report Closed



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|---|--|---------------------------------------|-------------------|---------------------|-------|--------|-------|
| Unit/Department | Process Area | Site | Report Number | | | | |
| South Operation-Elyria | General Catalyst - Building 31 | ELYRIA | 0084-SOPS-14-0093 | | | | |
| Report Date | Incident Date | Incident Time | Copied From | | | | |
| 07/18/2014 | 07/17/2014 | 03:00 PM | | | | | |
| Incident Location | Team Leader / Supervisor | Reported By | | | | | |
| Building 31 east stairwell | Robert Scoggins | Robert Scoggins | | | | | |
| Title of Event (Limit to 90 characters) | Category | Division / Bus. Group / Subgroup Code | | | | | |
| NOx detected in east stairwell to CRT room (suspected to be from #1 calciner). | <input type="checkbox"/> Safety & Health <input type="checkbox"/> Environmental | CC / G-CCP | | | | | |
| Incident Classification | | | | | | | |
| <input type="checkbox"/> Near Miss <input checked="" type="checkbox"/> Process Safety <input type="checkbox"/> Injury / Illness <input checked="" type="checkbox"/> Spill / Release <input type="checkbox"/> Permit / Regulatory Deviation <input type="checkbox"/> Fire <input type="checkbox"/> Odor Complaint <input type="checkbox"/> Property Loss <input type="checkbox"/> Citation / NOV <input type="checkbox"/> Health Exposure <input type="checkbox"/> Inspection <input type="checkbox"/> Major Incident <input type="checkbox"/> Non-Occupational <input type="checkbox"/> RMP <input type="checkbox"/> Contractor <input type="checkbox"/> Contractor Injury / Illness <input type="checkbox"/> Contract Injury / Illness <input type="checkbox"/> PSM <input type="checkbox"/> Plant Upset <input type="checkbox"/> EHS Management System Failure <input type="checkbox"/> Other | | | | | | | |
| Describe Event / What Happened | | | | | | | |
| <p>At approximately 2:40 pm on Thur July 17 2014, oncoming afternoon shift personnel detected a NOx odor in the east stairwell of building 31. After inspecting all 1st and 2nd floor areas with air monitors, decision was made to pull evac alarm at approx 2:55 pm. At approximately 3:15 pm on Thursday July 17, 2014, a voicemail complaint concerning the ongoing alarm was received by a surrounding neighbor (Lisa McCarty - 440-289-4945).</p> | | | | | | | |
| Immediate Corrective Action or Response | | | | | | | |
| <p>Initial air monitor readings at around 2:50 pm indicated NOx levels between 2.0 and 3.5 in east stairwell of building 31. At 2:55 pm evac alarm pulled and all plant / contractor personnel gathered at evacuation point near tank 16. After confirming all personnel accounted for, ERT team assembled at ERT building at 3:05 pm. First entry team and second "stand-by" team geared-up and ready by 3:15 pm. First team entry at 3:17 pm, performed air monitor sweep of entire building. At 3:30 pm, first team left building and reported the following readings: Initial reading at #1 calciner 2.3-2.5; east stairwell reading 0.4-0.5; 2nd floor, 3rd floor and Al Gel readings 0.0; final reading at #1 calciner 0.7. At this time, evac alarm was disengaged. ERT crew reviewed situation, and notified plant personnel that building was safe to return shortly before 4:00 pm. Feed to #1 calciner remained off.</p> | | | | | | | |
| Immediate Cause | | | | | | | |
| <p>#1 calciner syntron was being repaired earlier during day shift, and shortly before end of day shift the decision was made to begin feeding Al 5655 to the calciner. Upon arrival of afternoon shift, the syntron feed was shut off, possibly due to overfeeding during initial start-up. To be reviewed/investigated further.</p> | | | | | | | |
| Spill Release Type(s) | | Non RQ Spill / Release | | | | | |
| Chemical(s) Involved | CAS # | Phy. State | Air | Land | Water | Contmt | Units |
| Nitrogen Dioxide (NOx) | 10102-44-0 | Gas | .27 | 0 | 0 | 0 | lbs |
| Disposition of Material | Release into Building 31 | | | | | | |
| Weather Conditions | Skies: | Temperature: | Wind Direction: | Wind Speed: | | | |
| Cause Narrative | | | | | | | |
| Syntron feeder was set too high on start-up due to troubleshooting and re-start of calciner after repair. | | | | | | | |
| Contributing Causes | | | | Root/Primary Causes | | | |
| Procedure for start-up of calciner after | | | | 163 - Training | | | |

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|--|--|--|--------------------------------------|---|----------------------------|
| downtime was not followed. Group Leader and Lead Person were not aware of troubleshooting / start-up of calciner. | | 170 - Training LTA | | 175 - On-the-Job Training LTA | |
| | | 192 - Communications | 194 - No Communication or Not Timely | 196 - Communication Between Work Groups LTA | |
| Any known or potential off-site impacts? | | No | PSM Incident? | No | Estimated Cost: 500.00 USD |
| Investigation Team | | Leon Zavodnik; Thomas Kurucz; Dennis Lucas; John Bodmann; Jennifer Bailey; Robert Scoggins | | | |

| Item | Corrective Action(s) to prevent recurrence | Responsible Person | Target Date | Final Closed Date | VC Req | VE Req |
|------|---|-----------------------------------|-------------|-------------------|--------|--------|
| 1 | Re-Train operators and CRT's with documentation on Calcliner Start-Up Checklist to include standard conditions and repair and troubleshooting conditions. | Dennis Lucas/NA/BASF | 08/15/2014 | 08/30/2014 | N | N |
| 2 | Discuss with Maintenance and contractors communication required upon repair and troubleshooting of equipment that could produce NOx. | Leon Zavodnik/BASF-CATALYSTS/BASF | 08/15/2014 | 08/21/2014 | N | N |
| 3 | Determine if emergency horns on the roof of Building 31 are necessary. Especially those pointing toward the neighbors. | Leon Zavodnik/BASF-CATALYSTS/BASF | 08/29/2014 | 08/21/2014 | N | N |

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| Approved By: | |
| Manager / Dept. Head | Leon Zavodnik 08/11/2014 05:23 PM |
| EHS Unit Coordinator | Jason M Therrien 08/23/2014 09:57 AM |
| Director / Site Manager | Sandy Kowaleski 08/11/2014 12:23 PM |
| Safety & I.H. | Dean R Gadoury 08/25/2014 09:16 AM |
| Team Leader / Supervisor | Robert Scoggins 08/11/2014 10:33 AM |
| Ecology | Tim Anglin 08/11/2014 10:52 AM |
| Confidential | |